

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1505432

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-WHGL-PS (3000K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505432
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-97)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-U-B-04-WHGL-PS (3000K_L32_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

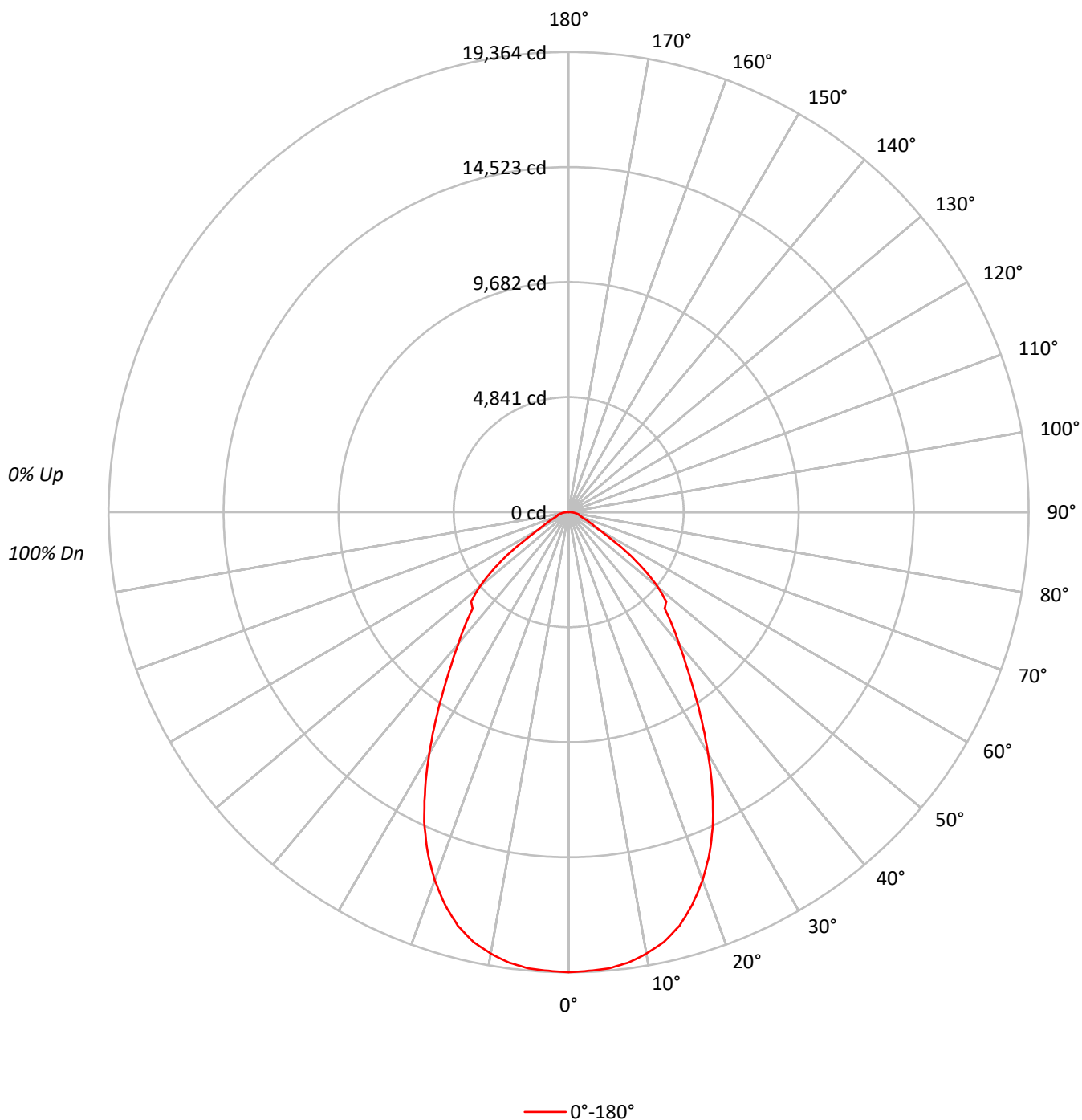
Lumens per Lamp: N/A
Luminaire Lumens: 28176.8 lumens
Efficiency: N/A
Efficacy: 141.3 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 1.01
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 199.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1505432

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-WHGL-PS (3000K_L32_Narrow_120V)

Luminous Intensity Polar Plot



TEST NUMBER: P1505432

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-WHGL-PS (3000K_L32_Narrow_120V)

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90		
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80		
3	97	89	83	77	95	87	82	77	85	80	76	82	78	74	80	76	73	71		
4	91	81	74	69	89	80	73	68	78	72	67	75	71	67	73	69	66	64		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	68	63	59	58		
6	79	68	61	56	78	67	60	55	66	60	55	64	59	54	63	58	54	52		
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48		
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	138679
5°	138567
10°	137187
15°	133582
20°	125543
25°	113620
30°	96989
35°	80446
40°	67579
45°	57875
50°	54706
55°	39412
60°	20565
65°	15413
70°	11892
75°	12776
80°	14456
85°	15095

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 59080 cd/sqm

TEST NUMBER: P1505432

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-WHGL-PS (3000K_L32_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1826.8	6.5
10°-20°	5034.0	17.9
20°-30°	6538.1	23.2
30°-40°	5792.1	20.6
40°-50°	4585.5	16.3
50°-60°	2788.1	9.9
60°-70°	929.2	3.3
70°-80°	486.5	1.7
80°-90°	196.6	0.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	13398.8	47.6
0°-40°	19190.9	68.1
0°-60°	26564.6	94.3
0°-90°	28176.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28176.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19364	
5°	19274	###
15°	18016	5034
25°	14378	6538
35°	9201	5792
45°	5714	4585
55°	3156	2788
65°	910	929
75°	462	486
85°	184	197
90°	0	

TEST NUMBER: P1505432

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-WHGL-PS (3000K_L32_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	19363.5
2.5°	19321.8
5°	19274.2
7.5°	19125.2
10°	18864.1
12.5°	18527.5
15°	18016.2
17.5°	17312.2
20°	16472.2
22.5°	15509.1
25°	14378.2
27.5°	13074.5
30°	11728.1
32.5°	10427.4
35°	9201.2
37.5°	8127.9
40°	7228.3
42.5°	6441.9
45°	5714.1
47.5°	5573.1
50°	4909.9
52.5°	4051.0
55°	3156.4
57.5°	2187.4
60°	1435.7
62.5°	1154.7
65°	909.5
67.5°	701.0
70°	567.9
72.5°	505.4
75°	461.7
77.5°	416.0
80°	350.5
82.5°	272.1
85°	183.7
87.5°	91.3
90°	0.0

(END OF REPORT)